MAPKAPK-2(Ab-334) Antibody

Catalog No: #21308

Package Size: #21308-1 50ul #21308-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	MAPKAPK-2(Ab-334) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total MAPKAPK-2 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.332~336 (P-Q-T-P-L) derived from Human MAPKAPK-2.
Conjugates	Unconjugated
Target Name	MAPKAPK-2
Other Names	MAP kinase-activated protein kinase 2
Accession No.	Swiss-Prot: P49137NCBI Protein: NP_004750.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

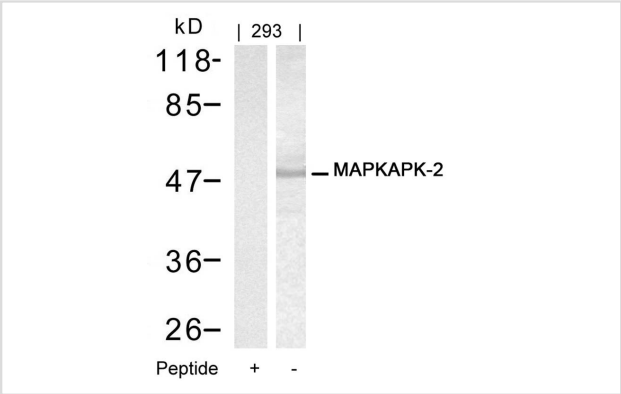
Application Details

Predicted MW: 49kd

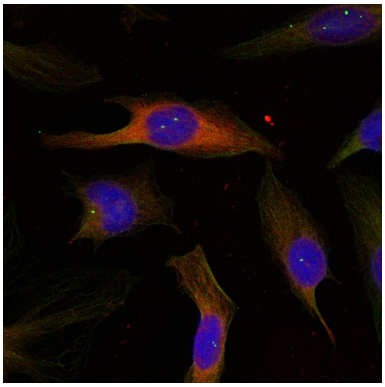
Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

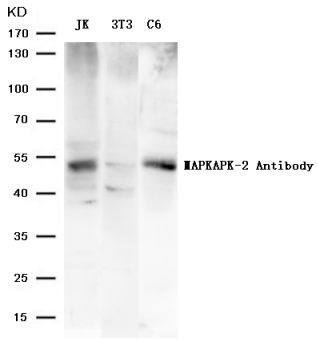
Images



Western blot analysis of extracts from 293 cells using MAPKAPK-2(Ab-334) Antibody #21308 and the same antibody preincubated with blocking peptide.



Immunofluorescence staining of methanol-fixed Hela cells using MAPKAPK-2(Ab-334) Antibody #21308.



Western blot analysis of extracts from JK, 3T3 and C6 cells using MAPKAPK-2 (Ab-334) Antibody #21308

Background

MAPKAPK-2 encodes a member of the Ser/Thr protein kinase family. This kinase is regulated through direct phosphorylation by p38 MAP kinase. In conjunction with p38 MAP kinase, this kinase is known to be involved in many cellular processes including stress and inflammatory responses, nuclear export, gene expression regulation and cell proliferation. Heat shock protein HSP27 was shown to be one of the substrates of this kinase in vivo. Two transcript variants encoding two different isoforms have been found for this gene.

Rouse, J. et al. (1994) Cell 78, 1027-1037.

Ben-Levy, R. et al. (1995) EMBO J. 14, 5920-5930.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.